# E-CORE LED FLOODLIGHT 5500

The swivelling architecture light called the E-CORE LED FLOODLIGHT 5500 ensures impressive, bright and thus very cost-effective lighting. You enjoy tremendous flexibility with your light design thanks to the finely graduated light intensities, three different Kelvin ranges and various beam angles. Furthermore, the constant luminous flux control over the entire operational life offers unvarying brightness.

**Application:**

- Architectual lighting
- Area lighting
- Illumination of billboards

# Product details

- Excellent light quality
- High range of adjustability
- Extremly robust design
- Temperature range: -20°C to +35°C
- Constant lumen output (CLO), switchable
- ENEC

# Optical parameters

| MODEL NAME | E-CORE LED FLOODLIGHT 5500 / NARROW - 11° | | |
|---|---|---|---|
| Product code | LEDEUF00023I30N | LEDEUF00023I40N | LEDEUF00023I50N |
| Luminous flux with CLO ON | 4,035 lm | 4,035 lm | 5,760 lm |
| Luminous flux with CLO OFF | 5,240 lm | 5,240 lm | 7,480 lm |
| Efficacy with CLO ON | 70.8 lm/W | 70.8 lm/W | 101.1 lm/W |
| Efficacy with CLO OFF | 69.9 lm/W | 69.9 lm/W | 99.7 lm/W |
| Colour description | Warm white | Neutral white | Neutral white |
| Colour temperature | **3000 K** | **4000 K** | **5000 K** |
| Colour rendering index | Ra ≥ 80 | Ra ≥ 80 | Ra ≥ 80 |

| MODEL NAME | E-CORE LED FLOODLIGHT 5500 / MIDDLE - 25° | | |
|---|---|---|---|
| Product code | LEDEUF00024I30N | LEDEUF00024I40N | LEDEUF00024I50N |
| Luminous flux with CLO ON | 3,720 lm | 3,720 lm | 5,315 lm |
| Luminous flux with CLO OFF | 4,835 lm | 4,835 lm | 6,905 lm |
| Efficacy with CLO ON | 65.3 lm/W | 65.3 lm/W | 93.2 lm/W |
| Efficacy with CLO OFF | 64.5 lm/W | 64.5 lm/W | 92.1 lm/W |
| Colour description | Warm white | Neutral white | Neutral white |
| Colour temperature | **3000 K** | **4000 K** | **5000 K** |
| Colour rendering index | Ra ≥ 80 | Ra ≥ 80 | Ra ≥ 80 |

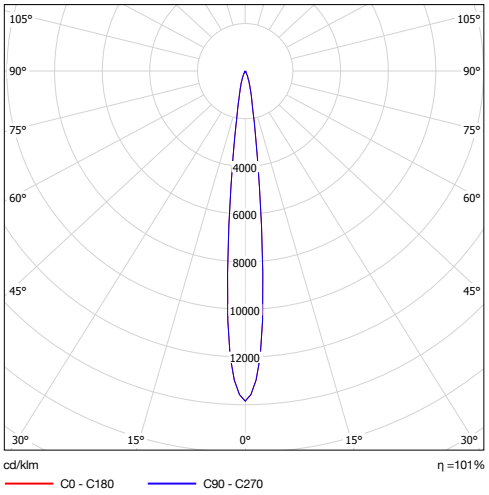
| MODEL NAME | E-CORE LED FLOODLIGHT 5500 / WIDE - 43° | | |
|---|---|---|---|
| Product code | LEDEUF00025I30N | LEDEUF00025I40N | LEDEUF00025I50N |
| Luminous flux with CLO ON | 3,695 lm | 3,695 lm | 5,280 lm |
| Luminous flux with CLO OFF | 4,800 lm | 4,800 lm | 6,860 lm |
| Efficacy with CLO ON | 64.8 lm/W | 64.8 lm/W | 92.6 lm/W |
| Efficacy with CLO OFF | 64.0 lm/W | 64.0 lm/W | 91.5 lm/W |
| Colour description | Warm white | Neutral white | Neutral white |
| Colour temperature | **3000 K** | **4000 K** | **5000 K** |
| Colour rendering index | Ra ≥ 80 | Ra ≥ 80 | Ra ≥ 80 |

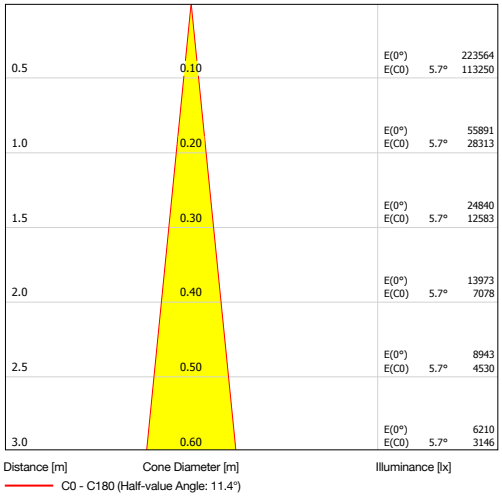
| MODEL NAME | E-CORE LED FLOODLIGHT 5500 / ASYMMETRY - 58° x 127° | | |
|---|---|---|---|
| Product code | LEDEUF00026I30N | LEDEUF00026I40N | LEDEUF00026I50N |
| Luminous flux with CLO ON | 3,555 lm | 3,555 lm | 5,080 lm |
| Luminous flux with CLO OFF | 4,620 lm | 4,620 lm | 6,600 lm |
| Efficacy with CLO ON | 62.4 lm/W | 62.4 lm/W | 89.1 lm/W |
| Efficacy with CLO OFF | 61.6 lm/W | 61.6 lm/W | 88.0 lm/W |
| Colour description | Warm white | Neutral white | Neutral white |
| Colour temperature | **3000 K** | **4000 K** | **5000 K** |
| Colour rendering index | Ra ≥ 80 | Ra ≥ 80 | Ra ≥ 80 |

# Optical parameters

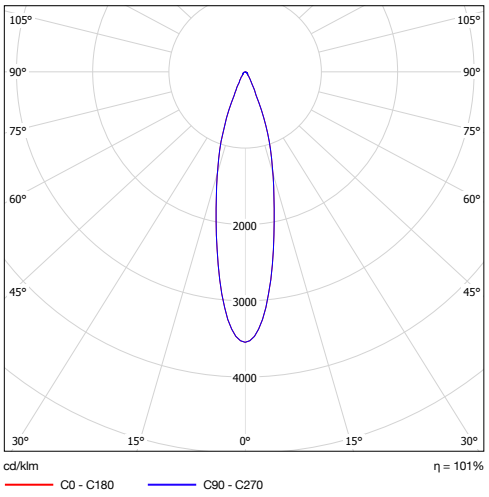
| POLAR CANDELA DISTRIBUTION | ILLUMINANCE |
|---|---|

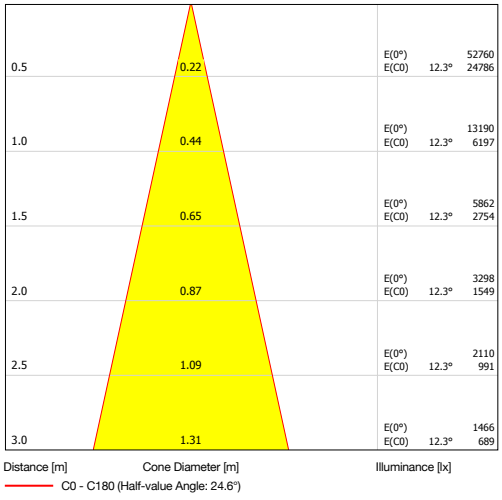
LEDEUF00023I40N – NARROW / 4000 K



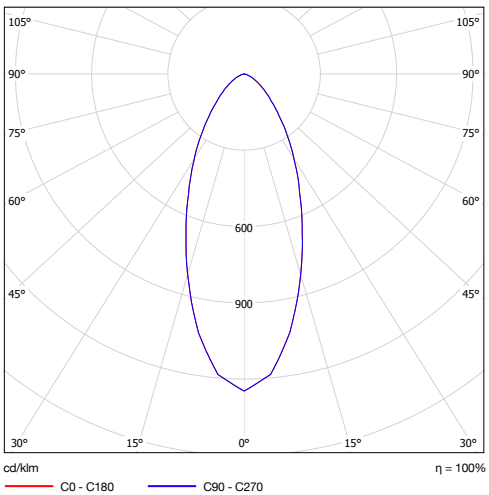



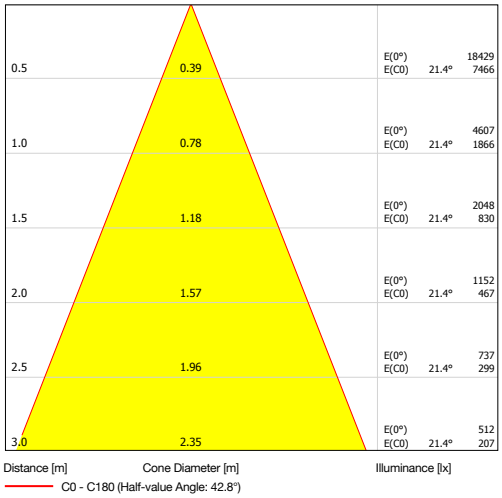

LEDEUF00024I40N – MIDDLE / 4000 K



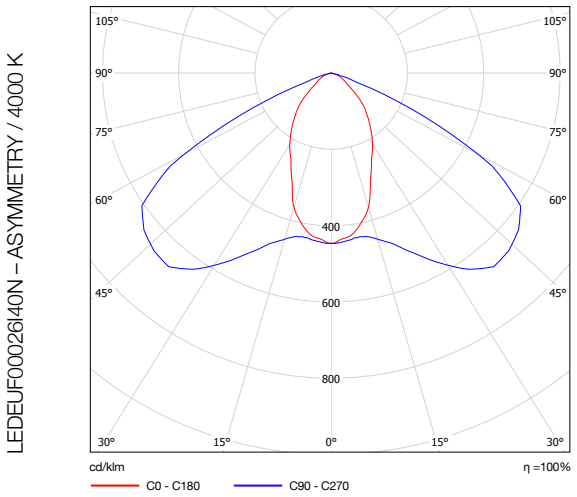

LEDEUF00025I40N – WIDE / 4000 K



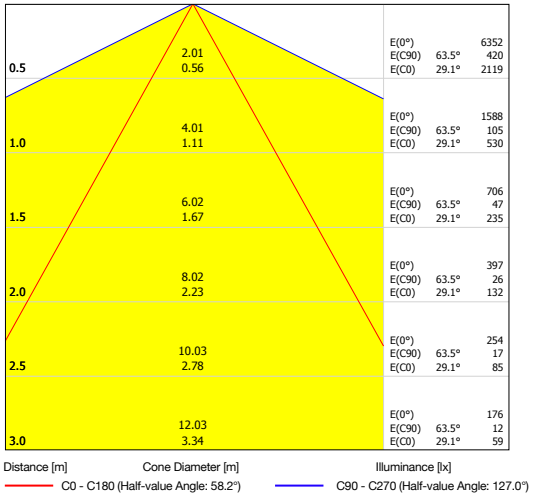



# Optical parameters

## POLAR CANDELA DISTRIBUTION

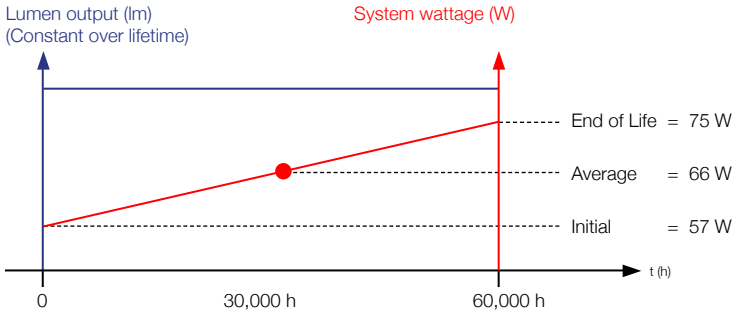



## ILLUMINANCE



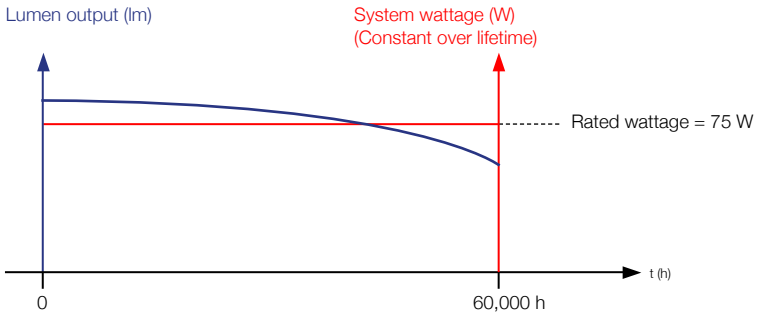

## WITH CONSTANT LUMEN OUTPUT

| | 3000K/4000K | 5000K |
|---|---|---|
| Narrow -11° | 4,035 lm | 5,760 lm |
| Middle -25° | 3,720 lm | 5,315 lm |
| Wide -43° | 3,695 lm | 5,280 lm |
| Asymmetry -58° x 127° | 3,555 lm | 5,080 lm |




## WITHOUT CONSTANT LUMEN OUTPUT

| | 3000K/4000K | 5000K |
|---|---|---|
| Narrow -11° | 5,240 lm | 7,480 lm |
| Middle -25° | 4,835 lm | 6,905 lm |
| Wide -43° | 4,800 lm | 6,860 lm |
| Asymmetry -58° x 127° | 4,620 lm | 6,600 lm |




CLO – Constant Light output Technology increases the wattage of product over time to overcome Lumen Maintenance drop. As a result the rated wattage stated is the wattage at end of life at 60,000 hours. For energy calculations, please use average wattage over life.

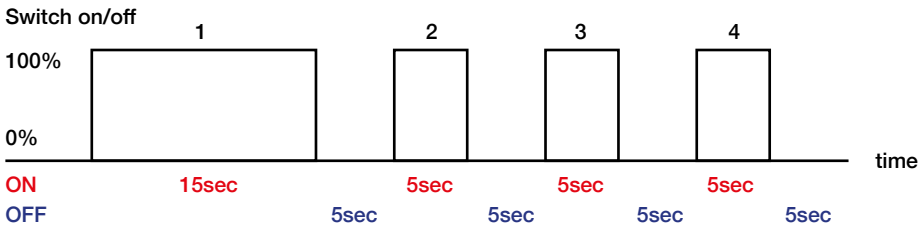
# Switch off and on of CLO feature

## How to switch off constant lumen output function

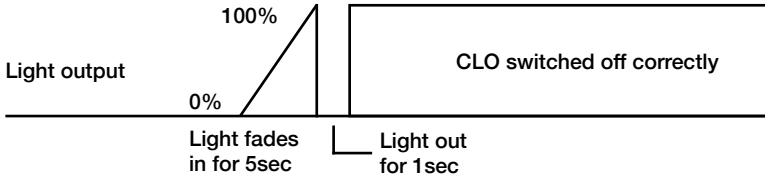
**Warning!**

- **No energy saving if the CLO is switched off**
- **Life time is counted even when the CLO is switched off. When the CLO is switched on again, the life time during switched off phase will be automatically added.**

1. Repeat the four on/off cycles for the given time.

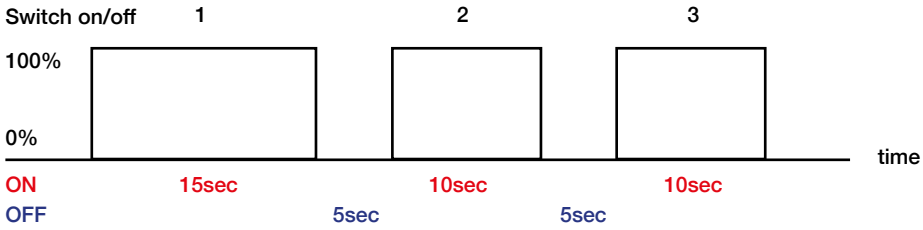



2. Check if the CLO is switched off correctly as follows:
Switch on (5th time) ➔ light fades in gragually for 5sec ➔ light out for 1sec
If no light fade-in is seen, please repeat No.1 and then check No.2.

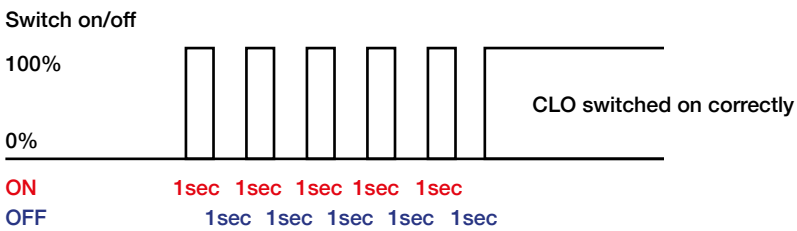



## How to switch on constant lumen output function again after switched off

1. Repeat the four on/off cycles for the given time.




2. Check if the CLO is switched on correctly as follows:
Switch on (5th time) ➔ on 1sec, off 1sec x 3 times
If no on/off is seen, please repeat No.1 and then check No.2.



# Electrical parameters

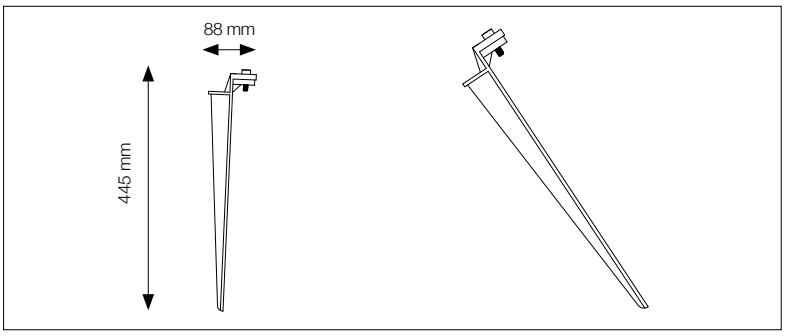
| MODEL NAME | E-CORE LED FLOODLIGHT 5500 |
|---|---|
| Average wattage with CLO ON | 66 W |
| Rated wattage with CLO OFF | 75 W |
| Rated voltage | 220-240 V |
| Frequency | 50 / 60 Hz |
| Rated input current | 342 mA |
| Power factor | > 0.9 |
| Electrical class | Class II |
| Connection | Cable 1.2 m, 2 x 1.0 $mm^2$ |
| Dimming / CLO | No / Yes |
| Lifetime | 60,000 hours |

# Mechanical parameters

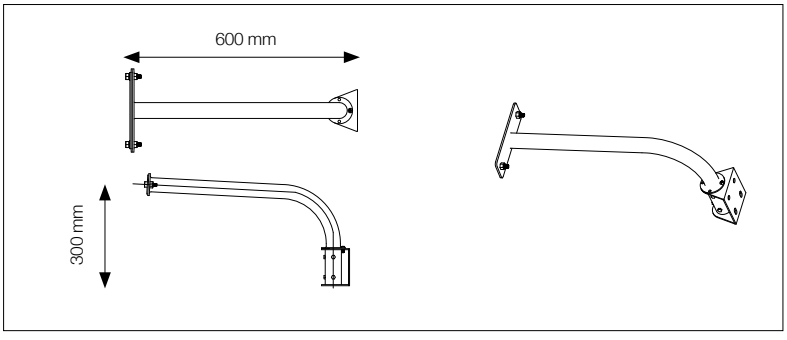
| MODEL NAME | E-CORE LED FLOODLIGHT 5500 |
|---|---|
| Body | Die cast aluminium |
| Finishing | Silver |
| Lighting outlet | 1 |
| Type of installation | Surface mounting |
| IP/IK rating | IP65 / IK07 |
| LED module | Non-replaceable – Integrated |
| Approval mark | CE / ENEC |
| Ambient temperature Ta | -20 °C – +35 °C |
| Net weight | 3,500 g |

# Accessories

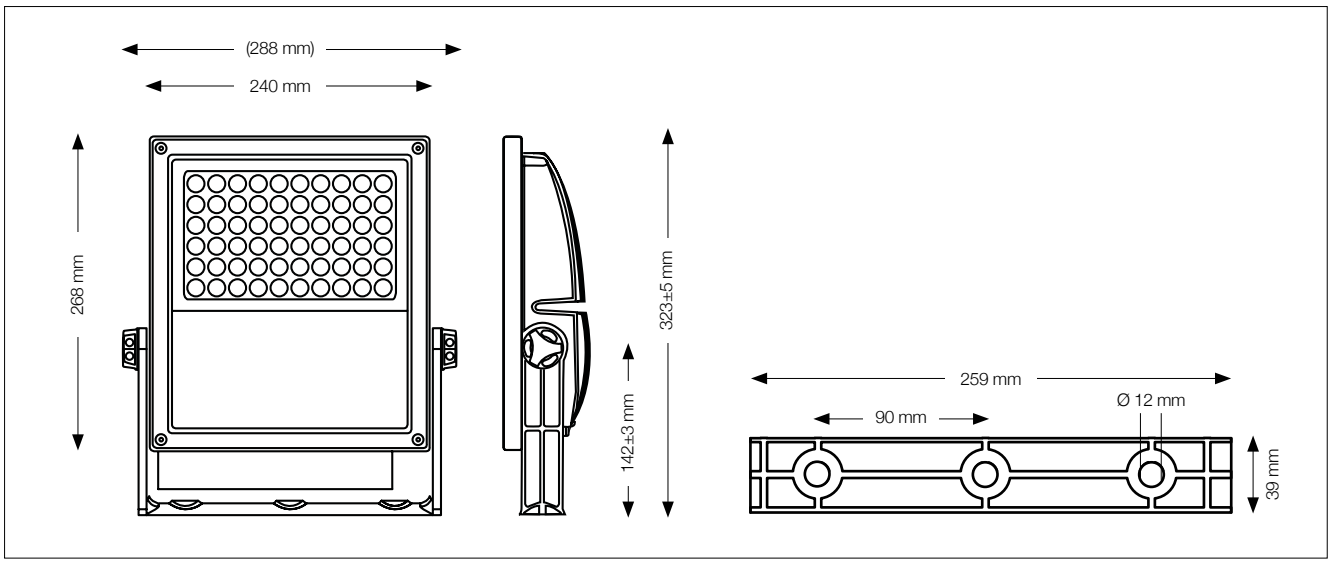
| MODEL NAME | GRASS MOUNTING SPIKE | |
|---|---|---|
| Product code | LEDEUFX0004 | LEDEUFX0005 |
| Finishing | White | Silver |

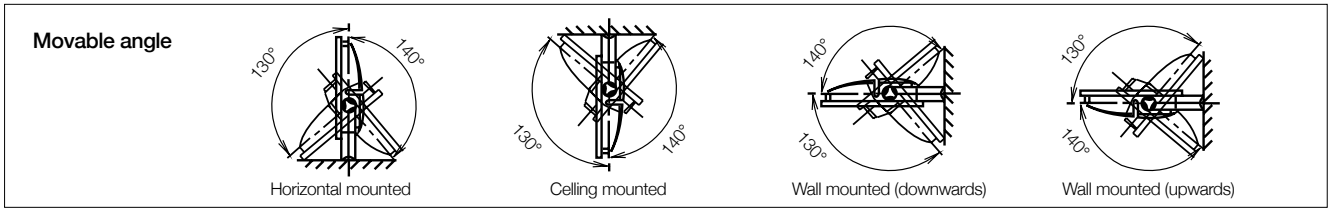



| MODEL NAME | WALL MOUNTING ARM | |
|---|---|---|
| Product code | LEDEUFX0002 | LEDEUFX0003 |
| Finishing | White | Silver |



# Drawings


(288 mm)
240 mm
268 mm
323±5 mm
142±3 mm
259 mm
90 mm
Ø 12 mm
39 mm


Movable angle
130°
140°
Horizontal mounted
130°
140°
Celling mounted
140°
130°
Wall mounted (downwards)
130°
140°
Wall mounted (upwards)

# Logistic data

| PRODUCT CODE | EAN CODE | DESCRIPTION | SIZE OF PACKAGING (L x H x W) | GROSS WEIGHT |
|---|---|---|---|---|
| LEDEUF00023I30N | 4974550488884 | E-CORE LED FLOODLIGHT 5500 3000 K / Narrow | 340 x 310 x 105 mm | 4,620 g |
| LEDEUF00023I40N | 4974550488891 | E-CORE LED FLOODLIGHT 5500 4000 K / Narrow | 340 x 310 x 105 mm | 4,620 g |
| LEDEUF00023I50N | 4974550488907 | E-CORE LED FLOODLIGHT 5500 5000 K / Narrow | 340 x 310 x 105 mm | 4,620 g |
| LEDEUF00024I30N | 4974550488914 | E-CORE LED FLOODLIGHT 5500 3000 K / Medium | 340 x 310 x 105 mm | 4,620 g |
| LEDEUF00024I40N | 4974550488921 | E-CORE LED FLOODLIGHT 5500 4000 K / Medium | 340 x 310 x 105 mm | 4,620 g |
| LEDEUF00024I50N | 4974550488938 | E-CORE LED FLOODLIGHT 5500 5000 K / Medium | 340 x 310 x 105 mm | 4,620 g |
| LEDEUF00025I30N | 4974550488945 | E-CORE LED FLOODLIGHT 5500 3000 K / Wide | 340 x 310 x 105 mm | 4,620 g |
| LEDEUF00025I40N | 4974550488952 | E-CORE LED FLOODLIGHT 5500 4000 K / Wide | 340 x 310 x 105 mm | 4,620 g |
| LEDEUF00025I50N | 4974550488969 | E-CORE LED FLOODLIGHT 5500 5000 K / Wide | 340 x 310 x 105 mm | 4,620 g |
| LEDEUF00026I30N | 4974550488976 | E-CORE LED FLOODLIGHT 5500 3000 K / Asymmetric | 340 x 310 x 105 mm | 4,620 g |
| LEDEUF00026I40N | 4974550488983 | E-CORE LED FLOODLIGHT 5500 4000 K / Asymmetric | 340 x 310 x 105 mm | 4,620 g |
| LEDEUF00026I50N | 4974550488990 | E-CORE LED FLOODLIGHT 5500 5000 K / Asymmetric | 340 x 310 x 105 mm | 4,620 g |
| LEDEUFX0004 | 4974550453929 | Grass mounting spike - White | Order separately | |
| LEDEUFX0005 | 4974550453936 | Grass mounting spike - Silver | Order separately | |
| LEDEUFX0002 | 4974550453905 | Wall mounting arm - White | Order separately | |
| LEDEUFX0003 | 4974550453912 | Wall mounting arm - Silver | Order separately | |

## www.toshiba.eu/lighting

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Product specifications and configurations, and availability of products are subject to change. Variations in product design and product features are subject to change. Colours may vary from illustration. Errors and omissions excepted.
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